Trailer Takes One, Not Two

HEY, IT'S **OKAY!** WE WEIGH **LESS THAN** A TANK!

I DON'T CARE! ONLY **ONE** OF YOU IS RIDING WITH ME...

...AND THAT'S **FINAL!**

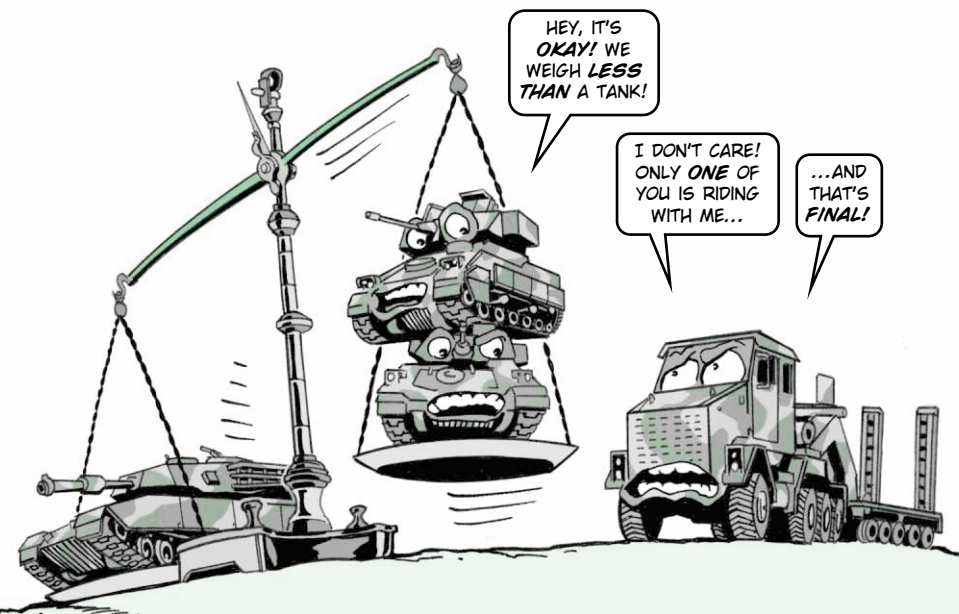**T**wo Bradleys may weigh less than one M1-series tank, but that doesn't mean they can be transported safely on your M1070/M1000 heavy equipment transporter system (HETS). **They can't.**

The HETS is designed to carry one M1, which weighs 70+ tons. Since the heaviest Bradley—the M2A3—weighs a little more than 33 tons with combat load, you might think you could load two on the HETS and still have almost 4 tons to spare.

If total weight were the only consideration, that would be true. Unfortunately, you have to account for two other factors as well: bogie weight limits and tiedown points.

Bogie Weight Limits

Even equipment weighing less than 70 tons can exceed the load limit on the HETS. Each trailer bogie is designed to handle 15,000 pounds with a 10 percent overload capacity. That's a total of 16,500 pounds per bogie.

When loaded, the 70 tons of an M1- series tank are spread over the entire trailer with the two rear bogies carrying a total of 30,000 to 31,500 pounds.

When two Bradleys are loaded, the two rear bogies are forced to carry approximately 47,400 pounds—well above their load capacity. Those bogies could collapse.

Tiedown Points

Since more tiedown points are needed for securing two Bradleys, some units use the cargo tiedown D-rings.

All forward tiedown restraints must be able to hold 70 percent of the vehicle's total weight for highway transportation. That's according to Military Traffic Management Command Transportation Engineering Agency (MTMCTEA) Pam 55-20, *Tiedown Handbook for Truck Movements* (Jul 01).
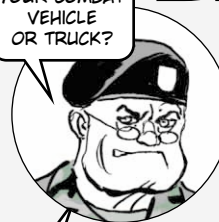
Based on the 66,600-lb weight for the M2A3, the two forward D-rings would have to hold 23,310 pounds each (66,600 x 70% ÷ 2 = 23,310). Those D-rings are only designed to hold up to 15,000 pounds each. They won't hold.

If you plan to load two Bradleys on your HETS, don't! If you've transported two Bradleys in the past, inspect the trailer for damage to the suspension castings, bogies, deck, brakes, chains and all tiedown points.

Combat and Tactical Vehicles...

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NSN	Material	Size (LxWxH in inches)
2540-01-271-7167	Rubber	7 x 6.5 x 5.38
2540-00-678-3469	Wood	8 x 9.5 x 8
2540-01-459-4266	Rubber	9 x 15 x 6
2540-00-288-2873	Aluminum	9.438 x 8 x 5.75
2540-00-769-5048	Steel	11.25 x 11.5 x 5.5
2540-00-912-1848	Aluminum alloy	12 x 15 x 9.375
1730-00-294-3695	Wood	14 x 6 x 4
2540-01-165-6136	Wood	15.5 x 7.75 x 5.75
2540-01-184-4897	Aluminum alloy	18 x 18 x 1.75